

CYTOMODULATING PEPTIDE FOR INHIBITING LYMPHOCYTE ACTIVITY

ABSTRACT OF THE DISCLOSURE

Novel oligopeptides comprising a sequence associated with HLA-B α_1 domain, but comprising a tyrosine-tyrosine-tryptophan triad are provided for use in inhibiting cytotoxic activity of CTLs and natural killer cells. By combining the subject compositions with mixtures of cells comprising the cytotoxic cells and cells which would otherwise activate the cytotoxic cells, lysis of the target cells can be substantially inhibited. the oligopeptides may be joined to a wide variety of other groups or compounds for varying the activity of the subject compositions. The subject compositions may be administered by any convenient means to a host to inhibit CTL and NK attack on tissue, particularly involved with xenogeneic or allogeneic transplants.